

Release notes for ENDF/B Development n-054_Xe_128
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=5437, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=5437, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      256 TO      328
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=5437, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=5437, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      256
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5437, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      330
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      447
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      476
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      505
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      525
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 535

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 541

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 555

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 566

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 586

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 604

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 622

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 55
SECTION 3/ 55 NOT IN DIRECTORY RECORD NUMBER 639

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 56 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 56 | RECORD NUMBER | 655 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 57 | RECORD NUMBER | 671 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 58 | RECORD NUMBER | 686 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 59 | RECORD NUMBER | 701 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 60 | RECORD NUMBER | 715 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 61 | RECORD NUMBER | 729 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 62 | RECORD NUMBER | 743 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 63 | RECORD NUMBER | 756 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 64 (0): Directory (b)

- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 64 | |
| | SECTION 3/ 64 NOT IN DIRECTORY | RECORD NUMBER 769 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 65 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 65 | |
| | SECTION 3/ 65 NOT IN DIRECTORY | RECORD NUMBER 782 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 66 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 66 | |
| | SECTION 3/ 66 NOT IN DIRECTORY | RECORD NUMBER 794 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 67 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 67 | |
| | SECTION 3/ 67 NOT IN DIRECTORY | RECORD NUMBER 806 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 68 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 68 | |
| | SECTION 3/ 68 NOT IN DIRECTORY | RECORD NUMBER 818 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 69 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 69 | |
| | SECTION 3/ 69 NOT IN DIRECTORY | RECORD NUMBER 829 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 70 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 70 | |
| | SECTION 3/ 70 NOT IN DIRECTORY | RECORD NUMBER 840 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 71 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 71 | |
| | SECTION 3/ 71 NOT IN DIRECTORY | RECORD NUMBER 851 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 72 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 72 | RECORD NUMBER | 861 |
| SECTION 3/ 72 NOT IN DIRECTORY | | |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 73 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 73 | RECORD NUMBER | 871 |
| SECTION 3/ 73 NOT IN DIRECTORY | | |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT= 91 | RECORD NUMBER | 881 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT=102 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT=102 | RECORD NUMBER | 890 |
| SECTION 3/102 NOT IN DIRECTORY | | |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT=103 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT=103 | RECORD NUMBER | 915 |
| SECTION 3/103 NOT IN DIRECTORY | | |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT=104 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT=104 | RECORD NUMBER | 930 |
| SECTION 3/104 NOT IN DIRECTORY | | |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT=105 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT=105 | RECORD NUMBER | 943 |
| SECTION 3/105 NOT IN DIRECTORY | | |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 3, MT=107 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 3, MT=107 | RECORD NUMBER | 953 |
| SECTION 3/107 NOT IN DIRECTORY | | |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 2 (0): Directory (b)

- | | | |
|--|---------------|-----|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 2 | RECORD NUMBER | 970 |
| SECTION 4/ 2 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 16 | RECORD NUMBER | 1184 |
| SECTION 4/ 16 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 17 | RECORD NUMBER | 1195 |
| SECTION 4/ 17 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 22 | RECORD NUMBER | 1206 |
| SECTION 4/ 22 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 28 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 28 | RECORD NUMBER | 1217 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 51 | RECORD NUMBER | 1228 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 52 | RECORD NUMBER | 1256 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 53 | RECORD NUMBER | 1283 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 54 | RECORD NUMBER | 1307 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 55 | RECORD NUMBER | 1331 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 56 | RECORD NUMBER | 1355 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 57 | RECORD NUMBER | 1379 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 58 | RECORD NUMBER | 1403 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 59 | RECORD NUMBER | 1427 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 60 | RECORD NUMBER | 1451 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 61 | RECORD NUMBER | 1475 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 62 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 62 | RECORD NUMBER | 1499 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 63 | RECORD NUMBER | 1522 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 64 | RECORD NUMBER | 1545 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 65 | RECORD NUMBER | 1569 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 66 | RECORD NUMBER | 1593 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 67 | RECORD NUMBER | 1617 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 68 | RECORD NUMBER | 1640 |
| SECTION 4/ 68 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 69 | RECORD NUMBER | 1664 |
| SECTION 4/ 69 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 70 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 70 | RECORD NUMBER | 1688 |
| SECTION 4/ 70 NOT IN DIRECTORY | | |
64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 71 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 71 | RECORD NUMBER | 1712 |
| SECTION 4/ 71 NOT IN DIRECTORY | | |
65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 72 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 72 | RECORD NUMBER | 1735 |
| SECTION 4/ 72 NOT IN DIRECTORY | | |
66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 73 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 73 | RECORD NUMBER | 1759 |
| SECTION 4/ 73 NOT IN DIRECTORY | | |
67. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 4, MT= 91 | RECORD NUMBER | 1783 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
68. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 5, MT= 16 | RECORD NUMBER | 1808 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
69. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 5, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 5, MT= 17 | RECORD NUMBER | 1866 |
| SECTION 5/ 17 NOT IN DIRECTORY | | |
70. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 5, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5437, MF= 5, MT= 22 | RECORD NUMBER | 1889 |
| SECTION 5/ 22 NOT IN DIRECTORY | | |
71. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=5437, MF= 5, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 5, MT= 28

SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 2098

72. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=5437, MF= 5, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=5437, MF= 5, MT= 91

SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 2208

- groupie Errors:

1. Very small elastic cross section found

0: Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

ENDF/B Input and Output Data Filenames

ENDFB.IN

ENDFB.OUT

... [97 more lines]

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=3500.0 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.38%

4. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.10%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 25: n[multiplicity:'2'] + Xe127 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10342064.71844482 eV vs -9621290. eV!

2. Calculated and tabulated Q values disagree.
reaction label 26: n[multiplicity:'3'] + Xe126 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17565639.66220093 eV vs -1.68514e7 eV!

3. Calculated and tabulated Q values disagree.
reaction label 27: n + H1 + I127 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8897386.689529419 eV vs -8174830. eV!

4. Calculated and tabulated Q values disagree.
reaction label 28: Xe129 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6177162.005737305 eV vs 6907690. eV!

5. Calculated and tabulated Q values disagree.
reaction label 29: n + He4 + Te124 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2491909.265823364 eV vs -1.7648e6 eV!

6. Calculated and tabulated Q values disagree.
reaction label 30: H1 + I128_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2071255.105316162 eV vs -1344730. eV!

7. Calculated and tabulated Q values disagree.
reaction label 31: H2 + I127_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6672820.588592529 eV vs -5864710. eV!

8. Calculated and tabulated Q values disagree.
reaction label 32: H3 + I126_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -9559494.390716553 eV vs -8824660. eV!

9. Calculated and tabulated Q values disagree.
reaction label 33: He4 + Te125_s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4077061.962356567 eV vs 4.812e6 eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
grouppr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
grouppr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided